

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number
WO 2005/058453 A1

(51) International Patent Classification⁷:
B01J 20/28, 20/22, G01N 30/48

B01D 15/08,

(74) Agent: **IPRIS GMBH**; Missionsstrasse 24, CH-4055
Basel (CH).

(21) International Application Number:

PCT/IB2004/004125

(22) International Filing Date:

15 December 2004 (15.12.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

02135/03 15 December 2003 (15.12.2003) CH

(71) Applicant (for all designated States except US): **PREEN-
TEC AG** [CH/CH]; Esc. du Court Chemin 19, CH-1704
Fribourg (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **PELLAUX,
René** [CH/CH]; Sihlfeldstrasse 150, CH-8004 Zürich
(CH). **HEILE, Jens-Martin** [DE/DE]; Keltenstrasse 5,
71640 Ludwigsburg (DE). **SCHENZLE, Andreas Josef**
[DE/DE]; Unteres Ried, 88690 Uhlhingen-Mühlhofen
(DE). **HELD, Martin** [DE/DE]; Heinrich-Küderli-Strasse
5/2, 71332 Waiblingen (DE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

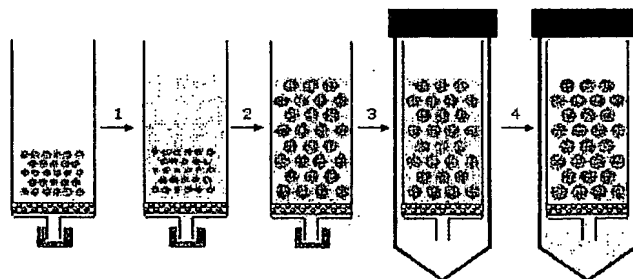
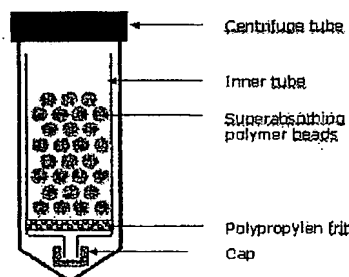
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: METHOD FOR THE CONCENTRATION AND PURIFICATION OF BIOLOGICAL COMPOUNDS



(57) Abstract: The invention concerns materials and methods used for the concentration, desalination, purification or stabilization of biological compounds, in particular biological macromolecules and supramolecular structures, by means of superabsorbent polymers or superabsorptive composite materials.



WO 2005/058453 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.